Depth 6	Contents 7	Reference to last Measurement 8

BR-324/3084

M.A.R. 57 (Rule 116)

Measurement Book No. A/10 83849

Serial No.....

Name of work.. Estimate for Improvement From to road and drain To. mikkaligahalli village No.8

Name of Contractor of nature of Agency.. Sri Murali Mulan Contractor R/o Bangalore.....

Date of commencement of work work order No: EE/B-TP/BBMP/E-PMY/W-0/35/2014-15 15/7/14

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
Drain No ①	Earth work excn by manual means in ordinary soil involving an average horizontal throw upto 2.0m and lift upto 1.5m for Road Margin Drain - Desilting	1	30.00	0.45	0.30	4.05 Cum	
		1	30.00	0.45	0.35	4.73 "	
		1	30.00	0.45	0.30	4.05 "	
		1	30.00	0.45	0.30	4.05 "	
	for Road work	1	11.20	0.45	0.40	2.02 "	
	Naga Katte road Kadigalli village	1	17.10	$\frac{4.2+3.15}{2}$	0.15	9.43 "	
		1	21.18	$\frac{11.7+7.9+5.5}{2}$	0.15	26.58	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	17.80	$\frac{3.0+4.9}{2}$	0.15	10.55 Cum	
		1	19.00	$\frac{3.6+4.65}{2}$	0.15	11.46	
		1	9.00	$\frac{1.2+1.7}{2}$	0.15	1.96	
		1	4.40	$\frac{4.6+3.7}{2}$	0.15	4.75	
		1	3.90	$\frac{3.7+3.3}{2}$	0.15	2.05	
		1	12.60	$\frac{4.3+4.4}{2}$	0.15	8.22	
		1	10.40	$\frac{4.9+4.5}{2}$	0.15	12.05	
		1	14.90	$\frac{2.45+1.5}{2}$	0.15	4.42	
		1	1.40	$\frac{1.4+1.7}{2}$	0.15	0.74	
		1	9.40	$\frac{1.9+1.7}{2}$	0.15	2.54	
		1	16.2	$\frac{2.3+1.8}{2}$	0.15	5.00	

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Serial No.....

Name of work.....Fro

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	for Culvert	1
		1
	Item no. (2) Removing Bl	Nos.
		1
		1
		1
		1
		1

OK

	Depth 6	Contents 7	Reference to last Measurement 8
.9	0.15	10.55 Cum	
65	0.15	11.46 "	
	0.15	1.96 "	
0	0.15	4.75 "	
.35	0.15	2.01 "	
4	0.15	8.22 "	
55	0.15	12.05	
.55	0.15	4.42 "	
7	0.15	0.74 "	
2	0.15	2.54 "	
8	0.15	5.00	

M.A.R. 57 (Rule 116)

Measurement Book No. A/10 83850

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	for Culvert	1	3.90	2.00	0.98	4.02	
		1	3.00	2.00	0.90	5.40	
						131.45 Cum	
						124.05 Cum	
	Item no. (2) Removing Bl Mds drain and backing.					CR.65.00	₹.8063.00
		1	12.00	—	1.35	Cum 16.20 Sqm	
		1	18.00	—	1.35	24.30 "	
		1	12.00	—	1.35	16.20	
		1	17.00	—	1.35	22.95	
		1	12.00	—	1.35	16.2	
						95.85 Sqm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						94.50 Sqm	
						@ 50.00/Sqm Rs 4725.00	
	Item. do. (3) Refixing stone slabs of coarse and paving						
	in CM 1:3. —						
	Item do (2) ie 94.50 Sqm						
	Item do (4) providing and laying in position plain Cement					@ 90.00/Sqm Rs 6615.00	
	Concrete of mix M-15 with ope Cement @ 180 kgs using						
	40 mms down hige graded granite metal.						
	for road works						
		1	17.10	$\frac{4.2+3.15}{2}$	0.15	9.43 Cum	
		1	21.18	$\frac{11.7+7.9+5.5}{3}$	0.15	26.58	
		1	14.80	$\frac{3.0+4.9}{2}$	0.15	10.55	
		1	19.00	$\frac{3.6+4.65}{2}$	0.15	11.76	
		1	9.00	$\frac{1.2+1.7}{2}$	0.15	1.96	

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Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Numb
1	2	3
		1
		1
		1
		1
		1

Depth 6	Contents 7	Reference to last Measurement 8
	94.50 Sqm @ Rs 50.00/Sqm 4725.00	
and pointing		
ic work 1 Sqm		
@ Rs 70.00/Sqm Rs 6615.00		
plain Cement		
@ 180 kgs using		
0.15	9.43 Cum	
0.15	26.58	
0.15	10.55	
0.15	11.76	
0.15	1.96	

M.A.R. 57 (Rule 116)

Measurement Book No. A/10 83851

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	4.40	$\frac{4.6+3.7}{2}$	0.15	4.14 Cum	
		1	3.90	$\frac{3.7+3.3}{2}$	0.15	2.06 "	
		1	12.60	$\frac{4.3+4.4}{2}$	0.15	8.22 "	
		1	10.40	$\frac{4.9+4.5}{2}$	0.15	12.05	
		1	14.90	$\frac{2.45+1.55}{2}$	0.15	4.42 "	
		1	1.40	$\frac{4.1+1.7}{2}$	0.15	0.96 "	
		1	9.40	$\frac{1.9+1.7}{2}$	0.15	2.54 "	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	for Culvert	1	16.25	2.3+1.8 / 2	0.15	5.00	
		1	3.90	2.00	0.15	1.17	
		1	3.00	2.00	0.15	0.90	
					Total	102.21 Cum	
						99.00 Cum	
	Item no (10) providing HYT bar reinforcement for RCC work including straightening, cutting bending laying etc complete.					Rft 4244.00 / Cum	Rft 4,20,156.00
		0.88 Tonne x 4.43 Cum				3.54 Qntl	
						Rft 9300.00 / Qntl	Rft 25871.00
	Item no (8) providing and erecting centering, shuttering, propping etc cost are covered in form work etc complete.						

Serial No.....

Name of work.....

Name of Contractor of nature of Agenc

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	for Sidewalls.
	Covering slab bottom
	Covering slab. Side

Depth 6	Contents 7	Reference to last Measurement 8
0.15	5.00	
0.15	1.17	
0.15	0.90	
total	102.21 Cum	
	99.00 Cum	
Rate for Cutting	4244.00/Cum Rs 4,20,156.00	
	beading	
	3.54 Cum	
	Cum 7300.00 / Cum Rs 2587.00	
	Measuring tape	

M.A.R. 57 (Rule 116)

Measurement Book No. A/10

83852

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	for Sidewall.	4	3.90	–	0.60	9.36 Sqm	
	Covering Slab bottom	4	3.00	–	0.60	7.20 "	
		1	3.90	1.20	–	4.68 "	
	Covering Slab. Side	1	3.00	1.20	–	3.60 "	
		2	3.90	–	0.15	1.17	
		2	3.00	–	0.15	0.90	
		2×2	2.00	–	0.15	1.20	
					total	28.11 Sqm	
						23 cu Sqm	
						on 27.00 Sqm Rs 6244.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item no. ⑨ providing and laying in position reinforced cement Concrete of design mix M20 with opc Cement 320 kg with 20 mm2 down hige graded granite metal						
	Bottom	1	3.90	1.80	0.15	1.05 Cum	
		1	3.00	1.80	0.15	0.81 "	
	Side walls	2	3.90	0.23	0.60	1.08	
		2	3.00	0.23	0.60	0.83	
	Deck Slab	1	3.90	1.80	0.15	1.05	
		1	3.00	1.80	0.15	0.81	
					Total	5.63 Cum	
						4.43 Cum	
						@Rs 5639.00 Cum Rs 24987.00	
	Item no. ⑥ providing and laying cement Concrete 40mm & down hige granite jelly of ready mixed Concrete (RMC) for Ree work laid in 15 Cm th.						

Serial No.....

Name of work.....

Name of Contractor of nature of Agency

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	for Road work

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
		reinforced cement Concrete	
		kg with 20 mm2 Chanti	
	0.15	1.05 Cum	
	0.15	0.81 "	
3	0.60	1.08	
3	0.60	0.83	
	0.75	1.05	
	0.15	0.81	
	Total	5.63 Cum	
		4.43 Cum	
		@Rs 5639.00 Cum	Rs 24987.00
		Concrete using	
		mixed Concrete	
H.			

M.A.R. 57 (Rule 116)

Measurement Book No. A/10 83853

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	for Road work	1	17.10	4.2+3.15 / 2	0.10	6.08 Cum	
		1	21.18	11.7+7.9+5.5 / 2	0.10	14.72	
		1	14.80	3+4.9 / 2	0.10	7.03	
		1	19.00	3.6+4.65 / 2	0.10	7.84 "	
		1	9.00	1.2+1.7 / 2	0.10	1.31 "	
		1	4.40	4.6+3.7 / 2	0.10	3.20 "	
		1	3.90	3.7+3.35 / 2	0.10	1.37 "	
		1	12.60	4.3+4.4 / 2	0.10	5.48 "	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	10.40	$\frac{4.9+47.55}{2}$	0.10	8.03 Cum	
		1	14.90	$\frac{2.45+1.55}{2}$	0.10	2.98	
		1	1.90	$\frac{4.1+1.70}{2}$	0.10	0.41	
		1	9.40	$\frac{1.9+1.70}{2}$	0.10	1.64	
		1	16.25	$\frac{2.3+1.8}{2}$	0.10	3.33	
					Total	66.46 Cum	
	Item. No. (4) Vacuum De-watering with vacuum pump and suctions mat and compaction with Steam thrower etc. for Road work					65.00 Cum	
						@ Rs 6400.00 Cum	Rs 416000.00
		1	14.10	$\frac{4.2+3.15}{2}$	—	62.84 Sqm	
		1	21.18	$\frac{11.7+17.9+15.5}{3}$	—	177.21	
		1	17.80	$\frac{3.0+4.5}{2}$	—	70.31	
		1	19.00	$\frac{3.60+4.65}{2}$	—	78.38	

C & P.

Serial No.....

Name of work.....

Name of Contractor of nature of Agency...

Date of commencement of work.....

Date	Full description, etc, of work
1	2

K

Depth 6	Contents 7	Reference to last Measurement 8
0.10	8.03 Cum	
0.10	2.98 "	
0.10	0.44 "	
0.10	1.65 "	
0.10	3.33 "	
Total	66.46 Cum	
	65.00 Cum	
	Engg 1.46 Cum	@ 416000.00
	62.84 Sqm	
	177.21	
	70.31	
	78.38	

C&FC

M.A.R. 57 (Rule 116)

Measurement Book

No 3854

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	9.00	$\frac{1.2+1.2}{2}$	1 –	13.05 Sqm	
		1	7.40	$\frac{4.6+3.2}{2}$	–	31.96 "	
		1	3.90	$\frac{3.9+3.35}{2}$	–	13.75 "	
		1	12.60	$\frac{4.3+4.4}{2}$	–	54.87 "	
		1	10.40	$\frac{4.9+4.55}{2}$	–	80.34 "	
		1	14.90	$\frac{2.4+1.55}{2}$	–	29.80 "	
		1	1.70	$\frac{1.1+1.7}{2}$	–	4.93	
		1	9.40	$\frac{1.9+1.7}{2}$	–	16.92	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	16.25	$\frac{2.3+1.8}{2}$	-	33.31 Sqm	
					Total	667.60 Sqm	
						650.00 Sqm	
	Certified that the work done found satisfactory					@ 91.00/Sqm Rs 59150.00	
						Total	9,80,775.00
							971776=00
				Checked & found are correct			All items
						D. M. Madhusudhan	

Serial No.....

Name of work.....

Name of Contractor of nature of Agency

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 971776=00
	ಗುತ್ತಿಗೆದಾರರು ಮಾಡಿರುವ ಇದರಲ್ಲಿ ರೂ 125
	ರೂ 846586=00
	Krishnafasalke
	ಲೆಕ್ಕಾಧಿಕಾರಿ